

LANDFILL GAS TO ENERGY IN TURKEY: CURRENT AND FUTURE

Ahmet Yücekaya

Kadir Has University, Istanbul, Turkey

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ABSTRACT

The municipal solid waste processing, landfilling and utilization of the gas to generate electric power and lower the emissions have been used in developed countries for decades, however it is relatively new in Turkey. The new regulations force municipalities in the country to build landfills to safely store the waste and secure the emission gases. The landfill gas can be utilized to produce energy and heat or if the quality is high it can be transported to a natural gas pipeline. In this paper, an overview of landfill gas to energy plants in the world is presented, and the situation in Turkey is analyzed.